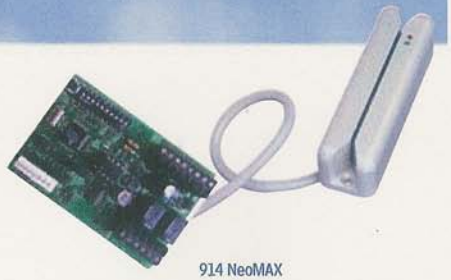
# 914 HotMAX MI e NeoMAX

## Access Control Terminals

914 HotMAX MI



914 NeoMAX

**The 914 HotMAX MI and NeoMAX are basic access control terminals** and they represent the ideal solution for hotel rooms, ship cabins, sleeping cars, offices, residential buildings, tourist villages, spas, clinics, hospitals, etc.

## OVERWIEW

**They are available in a number of different configurations. When they are included in wall flush mounting boxes** they can be connected to other control devices (light switches, courtesy lights, infrared sensors, gas sensors, etc.).

## FUNCTIONALITIES

**914 HotMAX MI and NeoMAX can function:**

- **on-line** in point-to-point or multidrop configuration with NET92 protocol;
- **off-line** by using a list of valid card codes recorded internally. This can be done in a number of ways:
  - **COMMON CODE ONLY:** unlimited number of valid cards. Can be used in conjunction with the BITMAP and PACKED mode. Not possible with 125 KHz proximity reader.
  - **BITMAP MEMORIZATION MODE:** max 3500 valid cards, numbered in sequence from '0000' to '3500'. Not with proximity reader.
  - **PACKED MEMORIZATION MODE:** the maximum number of cards which can be memorized ranges from 223 to 89 according to the number of figures considered in the personal code, from 4 to 9.
  - **COMPRESSED MEMORIZATION MODE:** max 150 valid cards. Secure storage of card code makes it possible to use a credit card and it is the preferred mode with proximity readers, too.
  - **HOTEL MODE:** the terminals can be configured for use in hotels, controlling rooms and facilities. Guests are given a card loaded with a progressive and crypted number for their room: each new number invalidates the preceding one. When the readers are connected to a NET92 network, they receive the code of the last card authorised to enter through that gate, and will then only accept successive numbers.

## CONFIGURATIONS

**914 HotMAX MI can be supplied with:**

- **partial insertion** (16-17 characters in Track 2); can be housed in a plastic wall box with BTicino "Living" series front plate;

**914 NeoMAX can be connected to different readers:**

- **magnetic:** a swipe reader with satin-finish aluminium casing; weather-proof; separate electronics;
- **barcode:** a swipe reader with satin-finish aluminium casing. Decodifies C39 and I2/5;
- **proximity:** 125 KHz or 13,56 MHz (see HW Spec.);

- **4 sensors** (2 in the swipe version):
  - auxiliary & port status (for a lock or a switch, for example)
  - card inserted (magnetic insertion reader only)
  - anti-tamper (magnetic insertion reader only)
- **Door lock relay** (programmable from 1 to 253 tenths of a second).
- **Auxiliary relay** for alarms or other activations.

## HARDWARE SPECIFICATION

914 HotMAX & NeoMAX

| | |
|---|---|
| **READER** | • **magnetic partial insertion reader:** ISO track 2, 16 characters<br>• **magnetic swipe reader (optional):** ISO track 2<br>• **optical IR swipe reader (optional):** C39, 10 characters max - I2/5, 24 characters max<br>• **proximity reader (optional):** - 125KHz, 64 bit read only<br>- 13.56 MHz multistandard ISO14443A or read only ISO15693<br>- LEGIC for propriatary and advant ISO 15693/14443Acards<br>- Third Parties Clock & Data readers |
| **AUXILIARY SENSORS** | • card-insertion and anti-tamper sensors on the partial insertion reader only |
| **INPUT/OUTPUT PORTS** | on an extractable screw-connector block<br>• **Input:** 2, digital, for on/off sensors (door-status and auxiliary sensor)<br>• **Output:** 1 with relay, normally open 2A @ 30 Vdc max |
| **COMMUNICATION PORTS** | on an extractable screw-connector block |
| **NET92/ RS485** | • TMC NET92 network slave, 9600 o 57600 bps, or point-to-point at 2400 bps |
| **SIGNAL/LED** | • 2 LEDs, one RED and one GREEN on HotMAX<br>• 2 LEDs support on the card reader connected to NeoMAX |
| **MEMORY** | • EEPROM, non volatile 4 K bit<br>(223 4-character codes in packed mode)<br>(223 codes of any lenght in compressed mode)<br>(3500 4-character codes in bitmap mode) |
| **POWER SUPPLY** | • 9 to 15 Vdc, 80mA max (insertion version)<br>• 9 to 40 Vdc (NeoMAX board only) |
| **MOUNTING** | • can be housed in electrical box (503) (version with partial insertion reader only) |
| **PHYSICAL CHARACTERISTICS** | • Temperatures: when functioning 0°C +50°C, in storage -20°C +70°C<br>• Humidity: 0 to 95% non condensing |
| **DIMENSIONS** | • 80 x 80 x 50mm (W x H x D) (insertion version)<br>• 80 x 54 x 20mm (W x H x D) (NeoMAX board only) |
| **WEIGHT** | • 150g (insertion version) , 50g (board only) |